

The 18th International Conference on
RANDOM STRUCTURES AND ALGORITHMS
Gniezno, 7-11 August, 2017

Program - updated: 2017-08-09 00:30

MONDAY				
9:00	Laszlo Babai <i>Permutation groups and Graph Isomorphism</i>			
10:00-10:30	coffee break			
10:30	Laszlo Babai <i>Coherent configurations and Graph Isomorphism</i>			
11:30-11:45	short break			
Sessions 1A, 1B, 1C				
	A	B	C	
11:45-12:10	Anita Liebenau <i>The degree sequence of the random graph & asymptotic enumeration of regular graphs</i>	Huseyin Acan <i>Disproof of a conjecture of Alon and Spencer</i>	Peleg Michaeli <i>On the trace of random walks on random graphs</i>	
12:15-12:40	Matas Sileikis <i>Embedding the Erdős-Rényi graph into the random regular graph</i>	Eoin Long <i>Forbidden vector-valued intersections</i>	Malvina Vamvakari <i>On First Passage Times of S_q-Random Walks</i>	
13:00	lunch			
Sessions 1A, 1B, 1C (continued)				
	A	B	C	
14:30-14:55	Fiona Skerman <i>Modularity of Networks</i>	Shagnik Das <i>Families of Mass Destruction</i>	Michał Morayne <i>Tail probabilities of a random walk on an interval</i>	
15:00-15:25	Liudmila Ostroumova Prokhorenkova <i>Modularity in several random graph models</i>	Christopher Kusch <i>Shattering extremal set systems from Sperner families.</i>	Małgorzata Kuchta <i>Maximizing survival time in a random walk on an interval</i>	
15:30-16:00	coffee break			
Sessions 2A, 2B, 2C, 2D				
	A	B	C	D
16:00-16:25	Clara Shikhelman <i>Many T copies in H-free subgraphs of random graphs</i>	Pedro Vieira <i>Eventowns for multiple intersections</i>	Kevin Leckey <i>The asymptotic compression rate of Lempel-Ziv on Markov sources</i>	Sylvia Antoniuk <i>When a random triangular group is free</i>
16:30-16:55	Andrzej Dudek <i>Multicolor Ramsey Properties of Random Graphs and Hypergraphs</i>	Tamás Mészáros <i>Boolean dimension and tree-width</i>	Charilaos Efthymiou <i>Improved bounds for sampling colorings of random graphs</i>	Chris Dowden <i>The evolution of random graphs on surfaces</i>
17:00-17:25	Matija Bucic <i>Directed Ramsey number for Trees</i>	Adam Zsolt Wagner <i>Families with few chains</i>	Peter Ayre <i>Freezing in Hypergraph Colouring</i>	Michael Mosshammer <i>Phase transitions of random graphs on a surface</i>
17:25-17:40	short break			
17:40-18:05	Dudley Stark <i>The probability of nonexistence of a subgraph in a moderately sparse random graph</i>	Przemysław Gordinowicz <i>How to generate the random poset?</i>	Andrew McDowell <i>Dispersion Processes</i>	Maciej Dołęga <i>Random quadrangulations of general surfaces</i>
18:10-18:40	Maksim Zhukovskii <i>On the median number of P_3 in $G(n,p)$</i>	David Penman <i>Comparable pairs and linear extensions</i>	Nina Kamcev <i>Zero forcing number of random and pseudorandom graphs</i>	Demetres Christofides <i>Asymptotic complexity of matrix reduction over finite fields</i>
19:00	Welcome Party			

TUESDAY

9:00	Tibor Szabo <i>When playing randomly is optimal</i>			
10:00-10:30	coffee break and conference photo			
Sessions 3A, 3B, 3C				
	A	B	C	
10:30-10:55	Simi Haber Shattering random graphs	Jakub Przybyło Neighbour set distinguishing edge colourings from lists of asymptotically optimal size	Viresh Patel Decomposing tournaments into paths	
11:00-11:25	Oliver Cooley Core forging in random graphs	Michelle Delcourt On the List Coloring Version of Reed's Conjecture	Taisa Martins Finitely forcible graph limits are universal	
11:30-11:55	Gregory Sorkin Cuts in Random Cubic Graphs	Jarosław Grytczuk From 1-2-3 conjecture to Riemann Hypothesis	Vytautas Gruslys Tilings of product spaces	
12:00-12:25	John Sylvester Uniqueness of vertices with minimal r-neighbourhoods in a random graph	Margarita Akhmejanova Colorings of b-simple hypergraphs	Ben Barber Isoperimetry in integer lattices	
13:00	lunch			
14:30	Rob Morris <i>Colouring random graphs</i>			
15:30-16:00	coffee break			
Sessions 4A, 4B, 4C, 4D				
	A	B	C	D
16:00-16:25	Gal Kronenberg 2-universality of random graphs	Andrew Treglown The complexity of perfect matchings and packings in dense hypergraphs	Lenar Iskhakov Local clustering coefficient in spatial preferential attachment model	Matthew Coulson Rainbow Matchings in Dirac Graphs
16:30-16:55	Rajko Nenadov Spanning universality in random graphs	Pascal Su Finding Perfect Matchings in Random Graphs in Linear Time	Xavier Pérez Giménez Perfect matchings and Hamiltonian cycles in the preferential attachment model	Patrick Bennett Square of a Hamilton cycle in a random graph
17:00-17:25	Matthew Kwan Random Designs	Jaehoon Kim A characterization of testable hypergraph properties	Tony Johansson Deletion of oldest edges in a preferential attachment graph	Tassio Naia Unavoidable Trees in Tournaments

WEDNESDAY

9:00	Dan Kral <i>Graph limits and extremal combinatorics</i>			
10:00-10:30	coffee break			
Sessions 5A, 5B, 5C				
	A	B	C	D
10:30-10:55	Carlos Hoppen Properly coloured spanning trees in an edge coloured random graph	Robert Hancock Independent sets in hypergraphs and Ramsey properties of graphs and the integers	Xing Shi Cai Large fringe and non-fringe subtrees in conditional Galton-Watson trees	Nemanja Skoric Resilience of almost-perfect H-packing
11:00-11:25	Dániel Korándi Monochromatic cycle cover in random graphs	Igor Balla Ramsey goodness of bounded degree trees	Henning Sulzbach Asymptotic expansions for the profile of random trees	Milos Trujic Local resilience of an almost spanning k-cycle in sparse random graphs
11:30-11:55	Deepak Bal Monochromatic Components in Random Graphs	Istvan Tomon Ramsey Graphs Induce Subgraphs of Many Different Sizes	Michał Przykucki Parking on a random tree	Frank Mousset Resilience for cycle covers in sparse random graphs
12:00-12:25	Shoham Letzter Long monochromatic paths in 2-coloured random tournaments	He Guo Packing nearly optimal $R(3,t)$ graphs	Katarzyna Rybarczyk Hamilton cycles in random intersection graphs	Alexander Gnedin Infinite random orders and permutations
12:30-12:55	Stefan Glock Designs beyond quasirandomness	Omri Ben-Eliezer Ordered graph removal lemma	Christoph Koch Localised infections in geometric inhomogeneous random graphs	Jan Volec On large multipartite subgraphs of H-free graphs
13:00	lunch			
14:30-16:30	excursion			
18:00-19:00	Random Run			

THURSDAY

9:00	David Conlon <i>How to build a hypergraph expander</i>			
10:00-10:30	coffee break			
Sessions 6A, 6B, 6C, 6D				
	A	B	C	D
10:30-10:55	Pu (Jane) Gao On Aharoni-Berger's conjecture of rainbow matchings	Andrzej Grzesik Minimum number of edges that occur in odd cycles	Tamas Makai Bootstrap percolation on random k-uniform hypergraphs	Pawel Pralat Clique colouring of binomial random graphs and random geometric graphs
11:00-11:25	Olaf Parczyk Finding tight Hamilton cycles in random hypergraphs faster	Florian Pfender On induced 5-cycles	Nikolaos Fountoulakis On percolation on random graphs with given degrees	Sergei Kiselev On the chromatic numbers of random subgraphs of Kneser graphs
11:30-11:55	Richard Mycroft Hamilton ℓ-cycles in randomly perturbed hypergraphs.	Mykhaylo Tyomkyn On the inducibility of cycles	Jonathan Noel Bootstrap percolation in a random subhypergraph	Joel Larsson Biased random k-SAT
12:00-12:25	Yury Person Embedding spanning bounded degree subgraphs in randomly perturbed graphs	Victor Falgas-Ravry Full and co-full subgraphs of a graph	Frederik Garbe Contagious Sets in Degree-Proportional Bootstrap Percolation	Halina Bielak Turan and Ramsey numbers for selected semi-topological graphs
13:00	lunch			
14:30	Benny Sudakov Rainbow cycles and trees in properly edge-colored complete graphs			
15:30-16:00	coffee			
sessions 7A, 7B, 7C				
	A	B	C	
16:00-16:25	Chaim Even-Zohar Patterns in Random Permutations	Pawel Hitczenko Recurrences for generating polynomials	Tuan Tran The structure of large sum-free sets of integers	
16:30-16:55	Eugenijus Manstavicius Random permutations with cycle weights	Amanda Lohss The Statistical Structure of Concave Compositions		
16:55-17:10	short break			
17:10-17:40	Lutz Warnke The phase transition in the random d-process			
17:40-18:10	Nick Wormald Asymptotic enumeration of Latin rectangles via random graphs			
19:30-23:00	Banquet			

FRIDAY

9:00	Penny Haxell <i>Chromatic index of random multigraphs</i>		
10:00-10:30	coffee break		
Sessions 8A, 8B, 8C			
	A	B	C
10:30-10:55	Rafał Witkowski Multicoloring of random hexagonal graphs	Joanna Polcyn Multicolor Ramsey number for the loose 3-path of length three	David Ramsey On Variants of the Best Choice Problem with Different Classes of Objects
11:00-11:25	Alexander Semenov On the j-chromatic number of a random hypergraph	Jan Corsten Grid Ramsey problem	Matjaz Krnc Simple and fast consensus in networks
11:30-11:55	Dmitrii Shabanov Estimating r-colorability threshold in a random hypergraph: a simple approach to the second moment method	Alexey Pokrovskiy Fast draws in strong games	Aleksandr Matushkin On limit points of spectra of first order graph properties with small quantifier depth
12:00-12:25	Annika Heckel The chromatic number of dense random graphs	Adva Mond Positional Games on vertex sets of Random Graphs	Tobias Mueller The Logic of Random Perfect Graphs
13:00	lunch		
14:30	Jacob Fox Arithmetic progressions, regularity, removal, and quasirandomness		
15:30-16:00	coffee break		
16:00-16:30	Svante Janson Vertex exchangeable and edge exchangeable random graphs		
16:35-17:05	Alan Frieze Minors of a random binary matroid		